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Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2009; month=7; day=16; hr=13; min=14; sec=47; ms=224;]

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Reviewer Comments:

1.

W402	Undefined organism found in <213> in SEQ ID (33)
W402	Undefined organism found in <213> in SEQ ID (34)
W402	Undefined organism found in <213> in SEQ ID (35)
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<210> 33
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For SEQ ID # 33 through 44, numeric identifier <213> can only be one of three choices, "Scientific name, i.e. Genus/species, Unknown or Artificial Sequence." For all sequences using "Unknown" or "Artificial sequence", for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of <220>, which remains blank and, <223>, which states the source of the genetic material. To explain the source, if the sequence is put together from several organisms, please list those organisms. If the sequence is

made in the laboratory, please indicate that the sequence is synthesized. Please make all necessary changes.

2.

W213	Artificial or Unknown found in <213> in SEQ ID (45)
W213	Artificial or Unknown found in <213> in SEQ ID (46)
W213	Artificial or Unknown found in <213> in SEQ ID (47)
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W213	Artificial or Unknown found in <213> in SEQ ID (49)
W213	Artificial or Unknown found in <213> in SEQ ID (50)
W213	Artificial or Unknown found in <213> in SEQ ID (51)
W213	Artificial or Unknown found in <213> in SEQ ID (52)
W213	Artificial or Unknown found in <213> in SEQ ID (53)
W213	Artificial or Unknown found in <213> in SEQ ID (54)
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W213	Artificial or Unknown found in <213> in SEQ ID (59)
W213	Artificial or Unknown found in <213> in SEQ ID (60)
W213	Artificial or Unknown found in <213> in SEQ ID (61)
W213	Artificial or Unknown found in <213> in SEQ ID (62)
W213	Artificial or Unknown found in <213> in SEQ ID (63)
W213	Artificial or Unknown found in <213> in SEQ ID (64) This error has occurred more than 20 times, will not be displayed

The warnings shown above are ok and require no response.

Application No: 10577003

Version No: 2.0

Input Set:

Output Set:

Started: 2009-06-23 16:31:45.971

Finished: 2009-06-23 16:31:49.350

Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 379 ms

Total Warnings: 38

Total Errors: 0

No. of SeqIDs Defined: 72

Actual SeqID Count: 72

Error code	Error Description
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W 402	Undefined organism found in <213> in SEQ ID (40)
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W 402	Undefined organism found in <213> in SEQ ID (42)
W 402	Undefined organism found in <213> in SEQ ID (44)
W 213	Artificial or Unknown found in <213> in SEQ ID (45)
W 213	Artificial or Unknown found in <213> in SEQ ID (46)
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W 213	Artificial or Unknown found in <213> in SEQ ID (48)
W 213	Artificial or Unknown found in <213> in SEQ ID (49)
W 213	Artificial or Unknown found in <213> in SEQ ID (50)
W 213	Artificial or Unknown found in <213> in SEQ ID (51)
W 213	Artificial or Unknown found in <213> in SEQ ID (52)
W 213	Artificial or Unknown found in <213> in SEQ ID (53)
W 213	Artificial or Unknown found in <213> in SEQ ID (54)

Input Set:

Output Set:

Started: 2009-06-23 16:31:45.971
Finished: 2009-06-23 16:31:49.350
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 379 ms
Total Warnings: 38
Total Errors: 0
No. of SeqIDs Defined: 72
Actual SeqID Count: 72

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	This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Kharbanda, Surrender
Kufe, Donald

<120> Modulation of Interaction of MUC1 with MUC1 Ligands

<130> GENU:005UG

<140> 10577003

<141> 2006-12-13

<150> PCT/US2004/034680

<151> 2004-10-21

<150> 60/514,198

<151> 2003-10-24

<150> 60/519,822

<151> 2003-11-12

<160> 72

<170> PatentIn version 3.3

<210> 1

<211> 164

<212> PRT

<213> Homo sapiens

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20 25 30

Ser Gly His Ala Ser Ser Thr Pro Gly Gly Glu Lys Glu Thr Ser Ala
35 40 45

Thr Gln Arg Ser Ser Val Pro Ser Ser Thr Glu Lys Asn Ala Phe Asn
50 55 60

Ser Ser Leu Glu Asp Pro Ser Thr Asp Tyr Tyr Gln Glu Leu Gln Arg
65 70 75 80

Asp Ile Ser Glu Met Phe Leu Gln Ile Tyr Lys Gln Gly Gly Phe Leu
85 90 95

Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val Val Val Gln Leu
 100 105 110

Thr Leu Ala Phe Arg Glu Gly Thr Ile Asn Val His Asp Met Glu Thr
 115 120 125

Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr Asn Leu Thr
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 attaagttca ggcaggatc tgtggtggta caattgactc tggccttcag agaaggtacc 360
 atcaatgtcc acgacatgga gacacagttc aatcagtata aaacggaagc agcctctcga 420
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Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
 35 40 45

Thr Glu Lys Asn Ala Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp
 50 55 60

Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile
 65 70 75 80

Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro
 85 90 95

Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile
 100 105 110

Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala
 115 120 125

Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp Val
 130 135 140

Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly
 145 150 155

<210> 4

<211> 465

<212> DNA

<213> Homo sapiens

<400> 4

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cagagaagtt cagtgcccag ctctactgag aagaatgctt ttaattcttc tctggaagat 180

cccagccagc actactacca agagetgcag agagacattt ctgaaatggt ttgcagatt 240

tataaacaag ggggttttct gggtctctcc aatattaagt tcaggccagc atctgtggtg 300

gtacaattga ctctggcctt ccgagaaggt accatcaatg tccacgacat ggagacacag 360

ttcaatcagt ataaaaacga agcagcctct cgatataacc tgacgatctc agacgtcagc 420

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 <212> PRT
 <213> Homo sapiens

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 20 25 30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
 35 40 45

Thr Glu Lys Asn Ala Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser
 50 55 60

Phe His Ile Ser Asn Leu Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser
 65 70 75 80

Thr Asp Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu
 85 90 95

Gln Ile Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe
 100 105 110

Arg Pro Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly
 115 120 125

Thr Ile Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr
 130 135 140

Glu Ala Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser
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Asp Val Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly
 165 170

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 <213> Homo sapiens

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cagagaagtt cagtgeccag ctctactgag aagaatgctc tgtctactgg ggtctctttc 180
tttttctgt cttttcacat ttcaaacctc cagtttaatt cctctcrgga agateccagc 240
accgactact accaagagct gcagagagac atttctgaaa tgtttttgca gatttataaa 300
caaggggggtt ttctgggect ctccaatatt aagttcaggc caggatctgt ggtggtacaa 360
ttgactctgg ccttcgaga aggtaccatc aatgtccacg acatggagac acagttaaat 420
cagtataaaa cggaagcagc ctctcgatat aacctgacga tctcagacgt cagcgtgagt 480
gatgtgccat ttctttctc tgcccagttc ggggctggg 519

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<212> PRT
<213> Homo sapiens

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20 25 30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Thr
35 40 45

Asp Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln
50 55 60

Ile Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg
65 70 75 80

Pro Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr
85 90 95

Ile Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu
100 105 110

Ala Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp
115 120 125

Val Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly
 130 135 140

<210> 8
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 <212> DNA
 <213> Homo sapiens

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 cagagaagtt cagtgccag caccgactac taccaagagc tgcagagaga catttctgaa 180
 atgtttttgc agatttataa acaagggggt tttctgggcc tctccaatat taagttcagg 240
 ccaggatctg tgggtgtaca attgactctg gccttcgag aaggtaccat caatgtccac 300
 gacatggaga cacagttcaa tcagtataaa acggaagcag cctctcgata taacctgacg 360
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<210> 9
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 9

Met Thr Pro Gly Thr Gln Ser Pro Phe Phe Leu Leu Leu Leu Leu Thr
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Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
 20 25 30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
 35 40 45

Thr Glu Lys Asn Ala Ile Pro Ala Pro Thr Thr Thr Lys Ser Cys Arg
 50 55 60

Glu Thr Phe Leu Lys Trp Pro Gly Ser Val Val Val Gln Leu Thr Leu
 65 70 75 80

Ala Phe Arg Glu Gly Thr Ile Asn Val His Asp Val Glu Thr Gln Phe
 85 90 95

Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr Asn Leu Thr Ile Ser
 100 105 110

Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe Ser Ala Gln Ser Gly
 115 120 125

Ala Gly
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<210> 10

<211> 390

<212> DNA

<213> Homo sapiens

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cagagaagtt cagtgccag ctctactgag aagaatgcta tcccagacc gactactacc 180

aagagctgca gagagacatt tctgaaatgg ccagatctg tgggtggtaca attgactctg 240

gccttcgag aaggtaccat caatgtccac gacatggaga cacagttcaa tcagtataaa 300

acggaagcag cctctcgata taacctgacg atctcagaag tcagctgag tgatgtgcca 360

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<211> 102

<212> PRT

<213> Homo sapiens

<400> 11

Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp Tyr Tyr Gln Glu Leu
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Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile Tyr Lys Gln Gly Gly
 20 25 30

Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val Val Val
 35 40 45

Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile Asn Val His Asp Val
 50 55 60

Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr Asn
65 70 75 80

Leu Thr Ile Ser Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe Ser
85 90 95

Ala Gln Ser Gly Ala Gly
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<210> 12

<211> 306

<212> DNA

<213> Homo sapiens

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ttcaggccag gatctgtggt ggtacaattg actctgacct tccgagaagg taccatcaat 180

gtccacgaca tggagacaca gttcaatcag tataaaacgg aagcagcctc tcgatataac 240

ctgacgatct cagacgtcag cgtgagtgat gtgccatttc ctttctctgc ccagtctggg 300

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<211> 375

<212> PRT

<213> Homo sapiens

<400> 13

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20 25 30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
35 40 45

Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
50 55 60

Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
65 70 75 80

Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
 85 90 95

Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
 100 105 110

Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro
 115 120 125

Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
 130 135 140

Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
 145 150 155 160

Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala Pro Pro Val His
 165 170 175

Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser Ala Ser Thr Leu
 180 185 190

Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr Pro Ala Ser Lys
 195 200 205

Ser Thr Pro Phe Ser Ile Pro Ser His His Ser Asp Thr Pro Thr Thr
 210 215 220

Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser Thr His His Ser
 225 230 235 240

Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr Ser Pro Gln Leu
 245 250 255

Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His Ile Ser Asn Leu
 260 265 270

Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp Tyr Tyr Gln Glu
 275 280 285

Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile Tyr Lys Gln Gly
 290 295 300

Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val Val
 305 310 315 320

Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile Asn Val His Asp
 325 330 335

Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr
 340 345 350

Asn Leu Thr Thr Ile Ser Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe
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<210> 14
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 <212> DNA
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 cagagaagtt cagtgcacag ctctactgag aagaatgctg tgagtatgac cagcagcgt 180
 ctctccagcc acagccccgg ttacagctcc tccaccactc agggacagga tgtcactctg 240
 gccccggcca cggaaccagc ttacaggtca gctgccacct ggggacagga tgtcacctcg 300
 gtcccagtc cccagccagc cctgggctcc accccccgc cagccacga tgtcacctca 360
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 gccccggaca cccagccagc cccgggctcc accgcccc cagccacgg tgtcacctcg 480
 gccccggaca acagcccgcc cttgggctcc accgcccc cagtcacaa tgtcacctcg 540
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 gctaccacaa cccagccagc caagagcact ccattctcaa ttccacgcca ccactctgat 660
 actectacca ccttgccag ccatagcacc aagactgatg ccagtatgac tcaccatagc 720
 acggtacctc ctctcaectc ctccaatcac agcacttctc cccagttgtc tactggggtc 780
 ttttttttt tctgtcttt teacatttca aaectecagt ttaattctc tctggaagat 840
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 tataaacaa ggggttttct gggcctctcc aatattaagt tcaggccagg atctgtggtg 960

gtacaattga ccttgccctt ccgagaaggt accatcaatg tccacgacgt ggagacacag 1020
 ttcaatcagt ataaaacgga agcagcctct cgatataacc tgacgatctc agacgtcagc 1080
 gtgagtgatg tgccatttcc tttctctgcc cagtctgggg ctggg 1125

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 <212> PRT
 <213> Homo sapiens

<400> 15

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Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
 20 25 30

Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
 35 40 45

Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
 50 55 60

Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
 65 70 75 80

Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
 85 90 95

Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala